Move Operators Exercises

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Move operators

- What are the names of the move operators?
- Briefly explain their purpose
- Write down prototypes for the move operators for a class Test

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Move operator syntax

- What differences in syntax are there between move operators and their copy equivalents?
- Briefly explain why these differences exist

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Move Operator Implementation

- Add copy and move operators to the following class
- Each operator should print out a message when it is called, to say what kind of operator it is
- Write a program to test your class
- Explain your results

```
class Test {
  private:
    int i{0};              // Built-in member
    MyClass m;             // Class member
  public:
    Test() = default;      // Constructor (calls m's constructor)
};
```

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Move Operator Implementation

- Explain your results

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Move operators for derived classes

- When writing a move operator for a derived class, are there any special considerations you should bear in mind?

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Cleaning up the argument

- When writing a move operator, do you need to make any changes to the argument?

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Compatibility with older versions of C++

- What happens if we have a class that was written for an older version of C++ and does not have any move operators?

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